

Amendments to the Claims

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1-34. (Cancelled)

35. (New) An optical wafer comprising:

one or more refractive lenses, each of said refractive lenses being comprised of molded plastic and including a first surface having a radius of curvature of 300 micrometers or less; and

an alignment means for aligning said one or more refractive lenses with one or more respective optical fibers, said alignment means being integral with said one or more refractive lenses.

36. (New) The optical wafer of claim 35, wherein said alignment means comprises a passive alignment feature.

37. (New) The optical wafer of claim 35, wherein said alignment means comprises one or more pins.

38. (New) The optical wafer of claim 35, wherein said alignment means comprises one or more receptacles.

39. (New) The optical wafer of claim 35, wherein said optical wafer comprises at least two refractive lenses.

40. (New) The optical wafer of claim 35, wherein said optical wafer comprises a one-dimensional array of refractive lenses.

41. (New) The optical wafer of claim 35, wherein said optical wafer comprises a 1x12 array of refractive lenses.

42. (New) The optical wafer of claim 35, wherein said optical wafer comprises a two-dimensional array of refractive lenses.

43. (New) A molded plastic optical wafer comprising:

an array of two or more refractive lenses, each of said refractive lenses including a first surface having a radius of curvature of 300 micrometers or less; and

one or more alignment pins for aligning each of said refractive lenses with a respective optical fiber of an array of optical fibers.

44. (New) A molded plastic optical wafer comprising:

a one-dimensional array of refractive lenses, each of said refractive lenses including a first surface having a radius of curvature of 300 micrometers or less; and

two alignment pins for aligning said array of refractive lenses with an array of optical fibers.